

54. A scene description processing unit according to Claim 53, wherein a scene description is selected from among a plurality of predefined scene descriptions, and then transferred.

55. A scene description processing unit according to Claim 53, wherein a predefined scene description is converted into another scene description, and then transferred.

*Following claims are renumbered
under rule 126*

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~~57~~. A scene description processing unit according to Claim 53, wherein a scene description that conforms to a transmission rate, at which the signals are transmitted in conformity with the state of a transmission line and/or a request issued from a receiving side as one or more signals to be used to construct a scene, and/or quality is transferred.

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~~58~~. A scene description processing unit according to Claim 53, wherein a scene description that includes information necessary for a receiving side to decode the signals, which are transferred in conformity with the state of a transmission line and/or a request issued from the receiving side as one or more signals to be used to

construct a scene, is transferred.

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~~59~~. A scene description processing unit according to Claim 53, wherein a scene description that specifies whether the signals that are transferred in conformity with the state of a transmission line and/or a request issued from a receiving side as one or more signals to be used to construct a scene are used or not is transferred.

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~~60~~. A scene description processing unit according to Claim 53, wherein a scene description whose complexity conforms to the state of a transmission line and/or a request issued from a receiving side is transferred.

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~~61~~. A scene description processing unit according to ⁵⁹~~60~~, wherein a scene description with which a first part scene within a scene is replaced with a second part scene whose complexity is different from the complexity of the first part scene is transferred in conformity with the state of a transmission line and/or a request issued from a receiving side.

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~~62~~. A scene description processing unit according to ⁵⁹~~60~~, wherein a scene description with which a part scene within a scene is removed or a new part scene is added

to the scene is transferred in conformity with the state of a transmission line and/or a request issued from a receiving side.

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~~63~~. A scene description processing unit according to Claim ~~60~~⁵⁹, wherein a quantization step at which a scene description is encoded is modified in conformity with the state of a transmission line and/or a request issued from a receiving side.

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~~64~~. A scene description processing unit according to Claim ~~53~~^{53 not changed}, wherein a scene description is divided into a plurality of decoding units in conformity with the state of a transmission line and/or a request issued from a receiving side, and then transferred.

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~~65~~. A scene description processing unit according to Claim ~~64~~⁶³, wherein a time interval between time instants at which a receiving side decodes each of the plurality of decoding units into which a scene description is divided is adjusted.

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~~66~~. A scene description processing method for processing a scene description that describes the structures of one or more signals to be used to construct a scene,

wherein:

when a scene description must be transmitted over a transmission line, a scene description that conforms to the state of the transmission line and/or a request issued from a receiving side is transferred.

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⁶⁷ 67. A scene description processing method according to Claim ⁶⁵~~66~~, wherein a scene description is selected from among a plurality of predefined scene descriptions, and then transferred.

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⁶⁸ 68. A scene description processing method according to Claim ⁶⁵~~66~~, wherein a predefined scene description is converted into another scene description, and then transferred.

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⁶⁹ 69. A scene description processing method according to Claim ⁶⁵~~66~~, wherein a scene description is encoded and then transferred.

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⁷⁰ 70. A scene description processing method according to Claim ⁶⁵~~66~~, wherein a scene description that conforms to a transmission rate, at which the signals are transmitted in conformity with the state of a transmission line and/or a request issued from a receiving signal as one or more

signals to be used to construct a scene, and/or quality is transferred.

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71. A scene description processing method according to Claim ⁶⁵66, wherein a scene description that includes information necessary for a receiving signal to decode the signals that are transferred in conformity with the state of a transmission line and/or a request issued from the receiving signal as one or more signals to be used to construct a scene is transferred.

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72. A scene description processing method according to Claim ⁶⁵66, wherein a scene description that specifies whether the signals which are transferred in conformity with the state of a transmission line and/or a request issued from a receiving signal as one or more signals to be used to construct a scene are used or not is transferred.

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73. A scene description processing method according to Claim ⁶⁵66, wherein a scene description whose complexity conforms to the state of a transmission line and/or a request issued from a receiving side is transferred.

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74. A scene description processing method according to Claim ⁷²73, wherein a scene description with which a first

part scene within a scene is replaced with a second part scene whose complexity is different from the complexity of the first part scene is transferred in conformity with the state of a transmission line and/or a request issued from a receiving side.

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75. A scene description processing method according to Claim ⁷²~~73~~, wherein a scene description with which a part scene within a scene is removed or a new part scene is added to the scene is transferred in conformity with the state of a transmission line and/or a request issued from a receiving side.

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76. A scene description processing method according to Claim ⁷²~~73~~, wherein a quantization step at which a scene description is encoded is modified in conformity with the state of a transmission line and/or a request issued from a receiving side.

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77. A scene description processing method according to Claim ⁶⁵~~66~~, wherein a scene description is divided into a plurality of decoding units in conformity with the state of a transmission line and/or a request issued from a receiving side.

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78. A scene description processing method according to
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Claim ~~77~~, wherein a time interval between time instants at
which a receiving side decodes each of the plurality of
decoding units into which a scene description is divided is
adjusted.